GALITSKIY, B.A.

4/
45 3d
45 2a (7)
12 Mar

Treating building masonry. B. A. Galitskii and G. F. Samokhin. U.S.S.R. 107,134, Aug. 20, 1957. In order to increase the heat and cold resistance of building stones and similar materials, they are steeped in a bath of hot petrolatum to which is added 3–20% by wt. of rosin or its ester. M. Hanak

1/1

JLS

GALITSKIY, D. A.

"Locating Pipe Defects with an Electromagnetic Defectoscope," Stanki I Instrument, 16, No. 6, 1945

BR-52059019

GALITSKIY, B.A.

Ustroistvo, rabota i obsluzhivanie gidravlicheskogo oborudovaniia chaeprossovochnykh fabrik. Uchebn. posobie dlia kruzhkov tekhminimuma. Moskva, Pishchepromizdat, 1939. 102 p. illus.

Working principles, performance and maintenance of the hydraulic equipment in tea-pressing factories.)

DLC: TP650.G3

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

GALITSKII, B. A. AND B. I. BELIAKOV

Tekhnologiia kompressorostroeniia. Moskva, Mashgiz, 1949. 367 p. illus.

Technology of compressor construction.

DLC: TJ990.B45

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

GALITSKIY, B. A.

Technology of compressor construction

2. izd. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1952.

317 p. (53-16780)

TJ990.B45 1952

GALITSKIY, B.A., inzh.; ABELEV, M.M., inzh.

System of universal sectional jig attachments. Sbor.st. NIIKHIMMASH no.33:3-23 '60. (MIRA 15:5)
(Chemical engineering--Equipment and supplies)

Galitskiy, B.A.

82097
S/184/60/000/03/07/010

25.1000

AUTHORS: Abelev, M.M., Galitskiy, B.A., Konovalov, A.N., Engineers

TITLE: The Manufacture of Double-Pipe Coils

PERIODICAL: Khimicheskoye mashinostroyeniye, 1960, No. 3, pp. 31 - 33

TEXT: The development of experimental equipment at NIIKhIMMASh necessitated the manufacture of double-pipe coils of 320-520 mm diameter from heat- and acid-proof steel tubes. After bending, the ovality of the pipes must not exceed 50% of the tolerance for the outer pipe diameter. The space between pipes of a finished coil must not be less than 0.7 mm. The liquid flow in a double-pipe coil must be at least 120 l/h between the pipes and not less than 220 l/h through a pipe of 10 mm diameter at 2.5 kg/cm^2 input pressure. To fix the inner pipe in respect to the outer pipe, the outside pipe wall is indented by heated steel balls at experimentally predetermined distances. The coils are manufactured using the following method: the inner surface of the outer 16 mm pipe and the inner and outer surfaces of the 10 mm pipe are cleaned by washing in aviation gasoline. For degreasing the pipes are placed for 4-5 hours into boiling electrolyte, consisting of 1% trisodium phosphate and 0.3% of the "OP -7"

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PHASE I BOOK EXPLOITATION SOV/5558

Galitskiy, Boris Akimovich, and Boris Ivanovich Belyakov

Tekhnologiya kompressorostroyeniya (Manufacturing Processes in Compressor Construction) 3rd ed., rev. and enl. Moscow, Mashgiz, 1961. 525 p. Errata slip inserted. 10,000 copies printed.

Reviewer: P. G. Udyma, Engineer; Ed.: A. N. Vasilenko; Tech. Ed.: Z. I. Chernova; Managing Ed. for Literature on Chemical- and Textile-Machine Manufacture: V. I. Rybakova, Engineer.

PURPOSE: This book is intended for technical personnel in industrial enterprises, design bureaus, and scientific research institutes concerned with compressor manufacture and in enterprises employing compressor equipment. It may also be used as a textbook by students in mechanical engineering schools of higher education and tekhnikums.

COVERAGE: The characteristic features of the construction of compressors are stated with particular attention given to machining and assembly departments. The technical and engineering-economic specifications for process planning in compressor manufacture are reviewed. Manufacturing processes of basic com-

Card 1/9

pressor parts are described, and compressor assembly methods are given. Chapters I, III, VI, VII, X, XII, and XVII were written by B. I. Belyakov, and Chapters II, IV, V, VIII, IX, XI, XIII, XIV, XV, and XVI were written by B. A. Galitskiy. No personalities are mentioned. There are no references.

TABLE OF CONTENTS:

ARELEV, M.N., inzh.; GALITSKIY, B.A.; SAMOCHATOV, I.M.

Centrifuge rotors with welded grate sieves and the technology of their manufacture. Khim.mash. no.2:38-43 Mr-Ap '61. (MIRA 14:3)
(Centrifuges)

S/184/62/000/006/006/008
D040/D112

AUTHORS: Abelev, M.M., Galitskiy, B.A., Kolosova, L.P., Engineers

TITLE: Design and fabrication technology of titanium rolls

PERIODICAL: Khimicheskoye mashinostroyeniye, no.6, 1962, 26-29

TEXT: NIIKhIMMASh has developed a design and fabrication technology for three kinds of hollow, all-titanium or titanium-coated steel rolls - the work roll and the sheeting roller of a СОАА (SOAA) single-roll dryer, and the finishing cylinder of a continuous ПНШ-160И (PNSh-160I) machine used for producing viscose rayon. The rolls are described and illustrated in drawings and photographs. All fabrication stages are described in detail: the blanking of ВТ 1-1 (VT 1-1) sheet titanium, and the machining allowances; argon arc or automatic submerged-arc welding of the roll sections with the use of special АНТ-1 (ANT-1) flux developed by the Institut elektrosvarki im. Ye.O.Patona (Electric Welding Institute im. Ye.O. Paton); threading of holes in the end faces of the rolls, including details on the geometry of the taps and the cutting fluid used in tapping;

Card 1/2

Design and fabrication technology ... S/184/62/000/006/006/008
D040/D112

fine turning with high speed and low feed and cutting depth, including details of the carbide-tipped lathe tool geometry, the tip material giving the best surface finish, and the cutting fluid for turning. The results of the experiments were checked under shop conditions. There are 6 figures and 1 table.

Card 2/2

BORISOGLEBSKIY, B.N., kand. tekhn. nauk, red.; VINOGRADOV, Yu.M., kand. tekhn. nauk, red.; GALITSKIY, B.A., red.; GORYAINOVA, A.V., kand. tekhn. nauk, red.; ZHEREBTSOV, A.N., red.; KORETSKIY, I.M., red.; MAKAROVA, N.S., red.; MORDOVSKIY, S.I., kand. tekhn. nauk; SALAMATOV, I.I., doktor tekhn. nauk; SHVARTS, G.L., kand. tekhn. nauk, red.; YUKALOV, I.N., kand. tekhn. nauk, red.; YUSOVA, G.N., kand. tekhn. nauk, red.; VASIL'YEVA, G.N., red.

[Manufacture of filters in the U.S.S.R.; collection of reports at the united session of the scientific and technical councils of the All-Union Scientific Research Institute of Chemical Machinery, the Ukrainian Scientific Research Institute of Chemical Machinery and the technical council of the Ural Chemical Machinery Plant] Fil'trostroenie v SSSR; sbornik dokladov na ob"edinennoi sessii nauchno-tekhnicheskikh sovetov Niikhimmasha, Ukrniikhimmasha i tekhnicheskogo soveta zavoda "Uralkhimmash." Moskva, Otdel nauchno-tekhn. informatsii, 1963. 107 p. (MIRA 17:12)

1. Nauchno-issledovatel'skiy institut khimicheskogo mashinostroyeniya (for Borisoglebskiy, Mordovskiy).

AM4020394 BOOK EXPLOITATION S/0783

Galitskiy, B. A.; Abelev, M. M.; Kolosova, L. P.; Toropov, V. A.; Shevelkin, B. N.

Titanium and its alloys in the chemical engineering industry (Titan i ego splavy* v khimicheskom mashinostroyenii) Moscow, Mashgiz, 1963. 263 p. illus., biblio. 2500 copies printed. Reviewer: Dombe, Yu. L.; Editor: Skvortsov, Ye. Ye. (Engineer); Deputy editor: Ry*bakova, V. I. (Engineer); Editor of the publishing house: Tairova, A. L.; Technical editors: El'kind, V. D.; Makarova, L. A.; Proofreader: Piryazev, P. A.

TOPIC TAGS: Titanium, titanium alloy , chemical engineering, machining of titanium, forming of titanium, welding of titanium

PURPOSE AND COVERAGE: This book was written for engineers and technicians at industrial establishments, design bureaus, and scientific-research institutes connected with the chemical engineering industry, as well as for engineers and technicians in industrial establishments utilizing chemical apparatus and equipment. It may be of use also as a study aid for students in machine-design vuzes and technicums. The construction of chemical equipment made of titanium is

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AM4020394

analyzed, and the special characteristics of the machining, forming, and welding of titanium and its low alloys utilized in the chemical engineering industry are outlined.

TABLE OF CONTENTS:

SUB CODE: MM, GC SUBMITTED: 30Sep63 NR REF SOV: 043

OTHER: 016

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GALITSKIY, B.A., inzh.; MAZO, M.D., inzh.

Technological preparation of production is a decisive factor in increasing the output and improving the quality of chemical equipment. Khim. i neft. mashinostr. no.2:1-4 Ag '64 (MIRA 18:1)

ACC NR: AP7001230 (N) SOURCE CODE: UR/0314/66/000/012/0011/0012

AUTHOR: Galitskiy, B. A. (Engineer); Belinkiy, A. L. (Candidate of technical sciences); Kolosova, L. P. (Engineer)

ORG: none

TITLE: Heat exchanger with titanium-clad steel tube plates

SOURCE: Khimicheskoye i neftyanoye mashinostroyeniye, no. 12, 1966, 11-12

TOPIC TAGS: metal cladding, titanium clad steel plate, ~~clad steel plate~~ TIG welding, titanium welding, heat exchanger, metal tube, flat plate, titanium, steel, corrosion resistance

ABSTRACT: A heat-exchanger with VT1-1 titanium tubes and titanium-clad-steel tube plates has been designed and built by the All-Union Design Scientific Research Institute of Chemical Machinery. Titanium-clad steel plates were rolled on an experimental basis by the Izhorsk Plant im. A. A. Zhdanov,,which is planning to produce clad plates up to 45 mm thick (cladding layer up to 7 mm), 800—1300 mm wide, and 1500—2800 mm long. Titanium tubes were joined to the cladding layer by manual TIG welding. Visual inspection and hydraulic tests (32 g/cm^2 pressure) of the welds did not reveal any defects. The welds were tested for corrosion resistance in 10% hydrochloric acid. It was found that the corrosion rate amounted to 0.0029 to 0.0023 mm/year, calculated on the basis of 190—600 hr tests. Orig. art. has: 2 figures.

SUB CODE: 13, 11/ SUBM DATE: none

Card 1/1 UDC: 66.045.1—419.4

SALITSKII, B. D.

277Sl. SALITSKII, B. D. i NIKIFOROVA, V. I.--sravnitel'noye izucheniye zharoprochnykh svoystv nekotorykh splavov sistem Al- Cu- Mg- Zn i Al-Cu-Mg-Ni. Trudy nosk. Aviats. Tekhnol. In-Ta, vyp. 7, 1949, S. 62-81. Bibliogr: 15 nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 37, 1949.

TULYANKIN, F.V.; GALITSKIY, B.D.

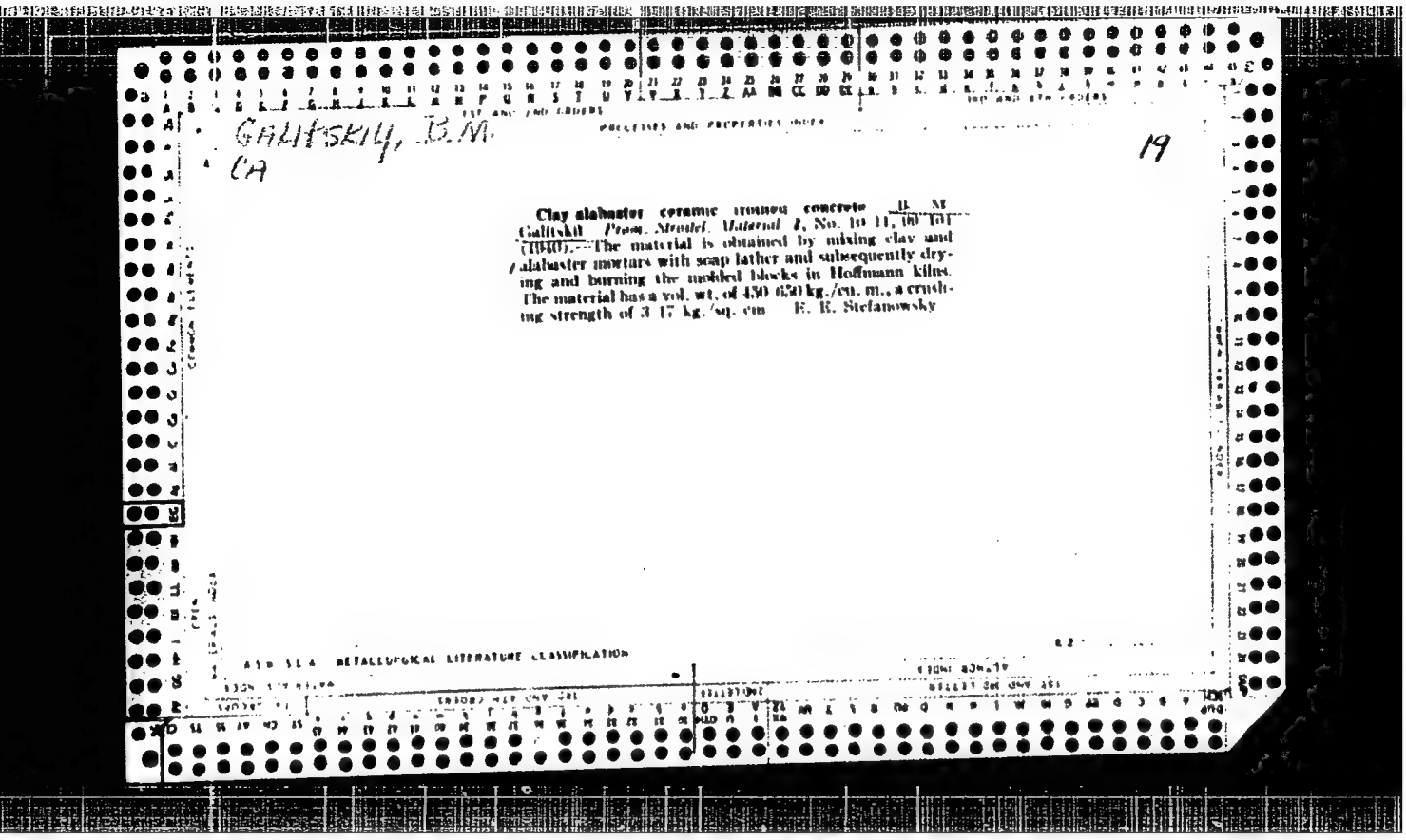
Calculation of deformation rates in testing aluminum-alloy sheets for tensile strength. Zav.lab.21 no.8:975-979 '55. (MLRA 8:11)
(Aluminum alloys--Testing)

GULYAYEV, G.I., kand.tekhn.nauk; YURGELENAS, V.A., kand.tekhn.nauk; YEROKHIN, I.N., inzh.; GALITSKIY, B.M., inzh.; DERGACH, A.Ya., inzh.; KIRVALIDZE, N.S., inzh.; KURILENKO, V.Kh., inzh.

Potentialities of pipe reduction in automatic pipe mills. Met.i gornorud.prom. no.5:33-36 S-O '62. (MIRA 16:1)

1. Ukrainskiy nauchno-issledovatel'skiy trubnyy institut i Yuzhnotrubnyy zavod.

(Pipe mills)



GALITSKII, B.M.
CA

19

Clay alabaster ceramic ironless concrete. B. M. Galitskii. *Prom. Stroitel. Material i*, No. 10-11, 60-1 (1940).—The material is obtained by mixing clay and alabaster mortars with soap lather and subsequently drying and burning the molded blocks in Hoffmann kilns. The material has a vol. wt. of 450-650 kg./cu. m., a crushing strength of 3-17 kg./sq. cm. E. R. Stefanowsky

A 50 51 A METALLURGICAL LITERATURE CLASSIFICATION

1. SALITSKII, B. I., TOVAL'SAIY, B. I.

2.a. USSR (600)

4. Building Materials

7. Containers forhauling bricks and slag-concrete blocks, Stroi. prom., 30, No. 4, April 1952.

9. Monthly List of Russian Accessions, Library of Congress, August 1952 1953, Uncl.

DUKEL'SKIY, Ya.Yu. (Leningrad); NEVREV, N.I. (Moskva); VLADIMIROV, B.Z. (Odessa); BAKSHEYEVA, S.I. (Moskva); GALITSKIY, B.M. (Moskva).

Discussing the setting up of work norms in the construction industry. Stroi. prom. 36 no.3:9-11 Mr '57. (MIRA 11:3)
(Construction industry--Production standards)

YEKHEL'CHIK, Mikhail Solomonovich, inzh.. Prinimal uchastiye GALITSKIY, B.M., inzh.. PRESMAN, S., red.; NEMCHENKO, I., tekhn.red.

[Handbook for normsetters in the construction industry] Spravochnik normirovshchika-stroitelia. Izd.2., perer. i dop. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit.USSR, 1959. 277 p. (MIRA 12:12)

(Construction industry)

GALITSKIY, B.M.; KODYAKOVA, A.I.; ZLATOVRATSKAYA, R.R.; RIMMER, V.S., otv.red.; PEVZNER, A.S., zaveduyushchiy red.izd-va; SHERSTNEVA, N.V., tekhn.red.

[Uniform time and pay standards for construction, assembly, and repair operations in 1960] Edinye normy i rastsenki na stroitel'nye, montazhnye i remontno-stroitel'nye raboty, 1960.g. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam. Sbornik 4. [Plain and reinforced concrete construction] Zhelezobetonnye i betonnye raboty. No.4. [Making semifinished products and details for plain and reinforced concrete construction elements] Izgotovlenie polufabrikatov i detalei dlia zhelezobetonnykh i betonnykh konstruktsii. 1960. 60 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Normativno-issledovatel'skaya stantsiya (NIS) Glavmosoblstroya pri Mosoblispolkome (for Kodyakova). 3. TSentral'noye normativno-issledovatel'skoye byuro (TsNIB) Ministerstva stroitel'stva elektrostantsiy (for Zlatovratskaya).
(Wages) (Concrete construction)

GALITSKIY, B.M.; GANZBURG, TS.A.; SMIRNOV, B.K., otv.red.; PEVZNER, A.S., zav.red.izd-va; HUDAKOVA, N.I., tekhn.red.

[Uniform time and pay standards for construction, assembly, and repair operations in 1960] Edinye normy i rastsenki na stroitel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g. Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam. Sbornik 19. [Floors] Poly. 1960. 39 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva. 2. Normativno-issledovatel'skaya stantsiya Glavmosoblstroya pri Mosoblispolkome (for Ganzburg).
(Floors) (Wages)

GALITSKIY, B.M.; SEMIBRATOV, V.N.; SMIRNOV, B.K.; BASHINSKIY, S.V., retsenzent; PRESMAN, S., red.; BEREZOVSKIY, N., tekhn. red.; PAVLICHENKO, L., tekhn. red.

[Norms and estmates for repair and construction operations] Normy i rastsenki na remontno-stroitel'nye raboty. Kiev, Gos. izd-vo lit-ry po stroit. i arkhit. USSR, 1961. 911, 3 p. (MIRA 14:10)

(Apartment houses—Maintenance and repair)
(Public buildings—Maintenance and repair)

GALITSKIY, Boris Mikhaylovich; SEMIBRATOV, Vsevolod Nikolayevich; SMIRNOV, Boris Konstantinovich; RUSAKOV, A.K., retsenzent; SURYGINA, E., red.; SOSNOVSKAYA, G., red.; LEUSHCHENKO, N., tekhn. red.; YEREMINA, I., tekhn. red.

[Regulations for the performance of repair and construction work; norms and estimates] Pravila proizvodstva remontno-stroitel'nykh rabot, normy i rastsenki. Izd.2., perer. i dop. Kiev, Gos.izd-vo lit-ry po stroit. i arkhit. USSR, 1963. 732 p. (MIRA 16:12)
(Building--Repair and construction)

GALITSKIY, B.M.; KUNYAVSKIY, M.Ye.

New end-milling cutter. Mashinostroitel' no.3:26 Mr '64.
(MIRA 17:4)

GALITSKIY, Boris Mikhaylovich; SEMIRATOV, Vsevolod Nikolayevich; SMIRNOV, Boris Konstantinovich; RUSAKOV, A.N., retsenzent; SOKOLOV, I.A., red.

[Regulations for the performance of repair and construction work; norms and estimates] Pravila proizvodstva remontno-stroitel'nykh rabot, normy i rastsenki. Izd.3., ispr. i dop. Kiev, Budivel'nyk, 1965. 718 p. (MIRA 18:4)

LYASHCHENKO, Fedor Ananʹyevich; GALITSKIY, Dmitriy Pavlovich; KRAVCHENKO, Valeriy Andreyevich; KIRILOVA, T., red.

[Technology of logging operations in the Maritime Territory ensuring the preservation of young growth] Primorskaia tekhnologiia lesosechnykh rabot, obespechivaiushchaia sokhranenie podrosta i molodniaka. Vladivostok, Dalʹnevostochnoe knizhnoe izd-vo, 1964. 15 p. (MIRA 18:5)

OSTROVSKIY, Yu.M.; LUKASHIK, N.K.; RAZUMOVICH, A.N.; BALAKLEYEVSKIY, A.I.; DOSTA, G.A.; TREBUKHINA, R.V.; LARIN, R.S.; KARPUT', S.N.; KOMAROVA, B.P.; NEPOCHELOVICH, N.S.; DVORYANINOVICH, L.N.; MOYSEYENOK, A.G.; MANDRIK, K.A.; GALITSKIY, E.A.; MATYSIK, M.S.; PODOBED, V.G.; MAKARINA-KIBAK, L.Ya.

Differentiation of specific and nonspecific metabolic shifts in an acute avitaminosis B_1 caused by oxythiamine. Vop.pit. 24 no.4:41-48 Jl-Ag '65. (MIRA 18:12)

1. Kafedra biokhimii (zav. - dotsent Yu.M.Ostrovskiy) meditsinskogo instituta, Grodno. Submitted July 23, 1964.

GALITSKIY, G.I.

The house building combine. Inform. biul. VDNKH no.11:3-4 N '63
(MIRA 18:1)

1. Direktor Moskovskogo domostroitel'nogo kombinata.

GALITSKIY, I., geroy Sovetskogo Soyuza, general-polkovnik inzhenernykh voysk.

Corps of engineers. Voen.znan. Vol.[32] no.3:12-13 Mr '56.
(Military engineering) (MLRA 9:7)

NAZAR'YANTS, Yu.; GALITSKIY, I.

Lump-sum remuneration for long service. Sots.trud 7 no.1:137-141 Ja '62. (MIRA 15:4)

(Wages)

VORONTSOVA, A.V.; GALITSKIY, I.L.

Semiautomatic control of gauge blocks. Izm. tekh. no.6: 8-9 Je '63. (MIRA 16:8)

(Gauge blocks)

S/115/63/000/004/005/011
E191/E181

AUTHORS: Vorontsova A.V., and Galitskiy I.L.

TITLE: Precise inspection of holes

PERIODICAL: Izmeritel'naya tekhnika, no.4, 1963, 18-19

TEXT: Customary inspection methods permit measurement to an accuracy of about 2 microns. Better accuracies have been achieved by the authors when inspecting holes with diameters of 3 mm and above. A specimen gauge is a square or rectangular block similar to a slip gauge having in its centre a hole equal in size to the nominal value of the hole to be measured. The hole is lapped to an accuracy of 0.2 microns. The hole axis must be parallel to the four faces within 0.2 microns. The hole must be central in both directions within 0.5 microns. This gauge is calibrated with the help of an interferometer. The calibrated gauges are used as masters for comparison by means of a horizontal "optimeter" and yield the required accuracy. Another method is discussed, involving a fixture for internal measurements attached to a horizontal interferometer or optimeter. Modifications of this well-known method which ensure an improved accuracy are discussed

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Precise inspection of holes

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in detail. It is stated that, by means of the precautions described, particularly applied to the shackle used in this fixture, the accuracy can be improved from 2.5 to 0.5 microns. There are 2 figures.

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GALITSKIY, I.; NELIN, P.

Procedure for issuing bonuses to workers. Sots. trud 8 no.7: 139-143 Jl '63. (MIRA 16:10)

GALITSKIY, I.R.(Moskva)

Role of sanitary and hygienic factors in the etiology of endemic goiter inKhakassia. Probl. endokr. i gorm. 1 no.5: 13-16 S-O '55. (MLRA 8:10)

1. Iz otdela organizatsii zdravookhraneniya (nach. I.G. Matul'-skiy) Tsentral'noy nauchno-issledovatel'skoy laboratorii gigiyeny i epidemiologii (nach. B.A.Ivanov) Ministerstva putey soobshcheniya.
(GOITER,
endemic, in Russia, causes)

GALITSKIY, I.V. [Halyts'kyi, I.V.]

Some characteristics of the geology and history of the development of salt-dome structures in the southeastern part of the Dnieper-Donets Lowland. Geol.zhur. 23 no.3:36-49 '63. (MIRA 16:9)

1. Trest "Poltavanaftogazrozvidka".
(Dnieper-Donets Lowland--Salt domes)

KORENEVSKIY, S.M.; BOBROV, V.P.; GALITSKIY, I.V.; KHRUSHCHOV, D.P.

Postassium potential of the halogen sediments in the Dnieper-Donets Lowland and Donets Basin. Lit. i pol. iskop. no.3-20-42 My-Je '64. (MIRA 17:11)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut, Leningrad, tresty Glavnogo upravleniya geologii i okhrany nedr pri Sovete Ministrov UkrSSR i Institut geologicheskikh nauk UkrSSR.

KORENEVSKIY, S.M.; GALITSKIY, I.V.; BOBROV, V.P.; KHRUSHCHOV, D.P.

Recent data on the potassium potential of the halogen sediments of the Dnieper-Donets Lowland and the Donets Basin. Razved. i okh. nedr. 30 no.5:5-11 My '64. (MIRA 17:10)

1. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut (for Korenevskiy). 2. Trest "Poltavaneftegazrazvedka" (for Galitskiy). 3. Trest "Artemgeologiya" (for Bobrov). 4. Institut geologii AN UkrSSR (for Khrushchov).

YEVDOKIMENKO, A.I.; ZABEREZHNYY, I.I.; RAFALOVICH, I.M.; REZNIK, I.D.;
Prinimali uchastiye: SHERMAN, B.P.; KUDRIN, A.N.; GALITSKIY, L.M.;
SERPOV, V.I.; VOROB'YEV, V.A.; STEPANOV, A.S.; RODIONOVA, N.M.;
BUNTOVNIKOV, A.S.; YEVDOKIMOVA, L.Ye.

Air blast preheating for shaft furnaces. Tsvet. met. 33 no.10:12-20 O '60. (MIRA 13:10)

1. Gosudarstvennyy institut po tsvetnym metallam (for Yevdokimenko, Zabereshnyy, Rafalovich, Reznik, Rodionova, Buntovnikov, Yevdokimova). 2. Yuzhno-Ural'skiy nikelevyy zavod (for Sherman, Kudrin, Galitskiy, Serpov, Vorob'yev, Stepanov).
(Air preheaters)
(Metallurgical furnaces--Equipment and supplies)

L 44540-65 EWT(d)/EWP(c)/EWP(v)/EWP(k)/EWP(h)/EWP(l) Pf-4
ACCESSION NR AM5013139 BOOK EXPLOITATION UR/19
18
B4-1

Galitskiy, Mikhail Iosifovich (Professor); Danilov Sergey Konstantinovich (Professor); Korneyev, Aleksandr Il'ich (Docent)

Economic geography of transportation in the U.S.S.R. (Ekonomicheskaya geografiya transporta SSSR) Moscow, Izd-vo "Transport", 65. 0302 p. illus. Errata slip inserted. 10,00 copies printed. Textbook for higher learning institutions specializing in railroad transportation.

TOPIC TAGS: commerce, transportation system, transportation status, economic system, railway network, mineral industry, petroleum industry, metallurgic industry, forestry, chemical industry, agriculture

PURPOSE AND COVERAGE: The textbook develops basic regularities of the socialist distribution of industries and the role of transportation in their realization. The process of formation of the transportation system in the USSR with respect to the distribution of productive forces is shown. Interregional exchange and basic directions in goods traffic, as a whole, in connection with economical zoning of the country is given. The book presents problems of distribution of the industry, interregional exchange and traffic of basic industrial and agricultural goods, and transportation of goods for foreign trade. The geography of passenger traffic and

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economical and geographical characteristics of railroads in the complex of greater economical regions is shown. The textbook is intended for students of engineering economics in higher educational institutions of transportation as an aid to transportation personnel and others engaged in independent study of its working and development.

TABLE OF CONTENTS (abridged):

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L 44540-65
ACCESSION NR AM5013139

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ACCESSION NR AM5013139

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SUBMITTED: 15Dec64 SUB CODE: GO

NO REF SOV: 000 OTHER: 000

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Card 5/5

GALITSKIY, N.F.

Reversing mechanism and reverse motion in heavy-duty gas-turbine units for ships. Trudy LKI no.26:3-12 '59. (MIRA 14:9)

1. Kafedra sudovykh parovykh i gazovykh turbin Leningradskogo korablestroitel'nogo instituta.
(Marine gas turbines)

GALITSKIY, N.F.

Some design criteria and principles providing for the reliability and economy of marine gas turbines. Trudy LKI no.28:137-150 '59. (MIRA 15:5)

1. Kafedra sudovykh, parovykh i gazovykh turbin Leningradskogo korablestroitel'nogo instituta.
(Marine gas turbines)

GALITSKIY, N.F.

Experimental investigation of friction and ventilation losses in radial turbine blade tips rotating in a shrouding. Trudy LKI no.34:105-111 '61. (MIRA 15:8)

1. Kafedra sudovykh parovykh i gazovykh turbin Leningradskogo korablestroitel'nogo instituta.
(Marine gas turbines)

GALITSKIY, Nikolay Fedorovich; MOISEYEV, Anatoliy Aleksandrovich; OGLOBLIN, Georgiy Aleksandrovich; PASENKO, Igor' Aleksandrovich; FRUMKIN, Boris Solomonovich; ZOTIKOV, G.I., doktor tekhn. nauk, retsenzent; SHAURAK, Ye.N., red.; FRUMKIN, P.S., tekhn. red.

[Designs of gas turbine systems; album of drawings] Konstruktsii gazoturbinnykh ustanovok; al'bom illiustratsii. Leningrad, Sudpromgiz, 1962. 99 p. ___[Description] Opisanie. 163 p. (MIRA 15:6)

(Gas turbines--Design and construction)

GALITSKIY, M.F.

Investigating friction and ventilation losses in a single rotating blade row of an axial turbine. Trudy LKI no.35:61-68 '62.
(MIRA 16:7)

1. Kafedra sudovykh parovykh i gazovykh turbin Leningradskogo korablestroitel'nogo instituta.
(Marine turbines)

GALITSKIY, N.F.

Investigation of friction and air losses in an axial turbine blade row with a complete bilateral covering by annular shields. Trudy LKI no.38:159-165 '62. (MIRA 16:7)

1. Kafedra sudovykh parovykh i gazovykh turbin Leningradskogo korablestroitel'nogo instituta.
(Marine gas turbines)

L 23397-65 EWP(f)/T-2/EPA(bb)-2
ACCESSION NR: AP4048509 S/0147/64/000/004/0060/0066

AUTHOR: Galitskiy, N.F.

TITLE: Friction and ventilation losses in the working rims of the radial-flow turbines of helicopter and transport gas-turbine installations

SOURCE: IVUZ. Aviatsionnaya tekhnika, no. 4, 1964, 60-66

TOPIC TAGS: radial turbine, turbine rotor, gas turbine efficiency, turbine friction loss, turbine ventilation loss

ABSTRACT: The author points to the absence of technical information regarding studies of power losses due to no-load rotation of the working rims of radial-flow turbines. With an eye to the possible utilization of single- and dual-rotor radial-flow turbines in helicopter installations as well as in transport power plants, investigations were conducted with the purpose of filling the aforementioned gap. One of the subjects of the study, reported upon in this article, was a blading arrangement taken from the multi-stage radial-flow Yungstrem-system turbine. The author believes that because of the qualities of this blading arrangement, some of which are briefly enumerated in the introduction, it is the most suitable for turbines from which a high degree of maneuverability, reliability and economy are required. In addition, this design is suitable for achieving,

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under multi-stage turbine conditions (with the absence of a vacuum), such well-known methods for reducing friction and ventilation losses in working rims rotating for long periods under idling conditions as their shielding in ring housings and the reduction of the density of the medium (by considerably increasing its temperature and using for this purpose the heat into which the friction losses are transformed). The investigations reported on in this article were carried out on a training-experimental installation, a block-diagram of which is given in the paper (see Figure 1 of the Enclosure). The working rim from a Yungstrem turbine, having 208 blades 7.7 mm wide and 18 mm long, with an external diameter of 366.4 mm, was attached directly to the shaft of an HF electric motor (9 kw at 8000 rpm) and rotated in a medium of atmospheric air in a reservoir in the forward and reverse direction at a variable number of revolutions under the following conditions: 1. in free space without the presence of any elements of the flow-through section; 2. with the guide rims connected (see Figure 1.b of the Enclosure); 3. in the ring space between the freely supporting rings of the guide rims (See Figure 1.c of the Enclosure). Further details concerning the conditions, facilities and methodology of the experimentation are explained in full in the article. The results are presented in the form of a logarithmic system of coordinates. A very wide range of tests and studies were carried out, covering the following fundamental factors: 1. Friction and ventilation losses were studied in the radial-flow crowns under idle rotation forward

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and backward with the rate of rotation varied; 2. A determination was made of the qualitative relationship between the power expended on the ventilation of the medium and on blade edge friction, and an explanation was given of the essence and significance of losses with the radial rims rotating under no-load conditions (i.e., idling) in free space and in ring casings; 3. The author established the effect of the following factors on the friction and ventilation power value, expended on the idling of the radial rim: a. the direction of rotation, b. the rate of rotation, c. the length of the working blades, d. the width of the working rims, e. the design elements of the flow-through sections, and several others; 4. An experimental comparison was made of friction and ventilation losses on radial-flow and axial flow rims; 5. Design techniques were indicated for reducing friction and ventilation losses in the radial-flow type of rim; 6. Formulae and coefficients were proposed for practical use, which make it possible to compute the magnitude of the power expended on the idle rotation of radial rims in single- and multistage radial-flow turbines. Orig. art. has: 2 figures, 1 table and 5 formulas.

ASSOCIATION: none
SUBMITTED: 17Apr64 ENCL: 01 SUB CODE: PR

NO REF SOV: 004 OTHER: 002

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L 23397-65
ACCESSION NR: AP4048509

ENCLOSURE: 01
section through AA

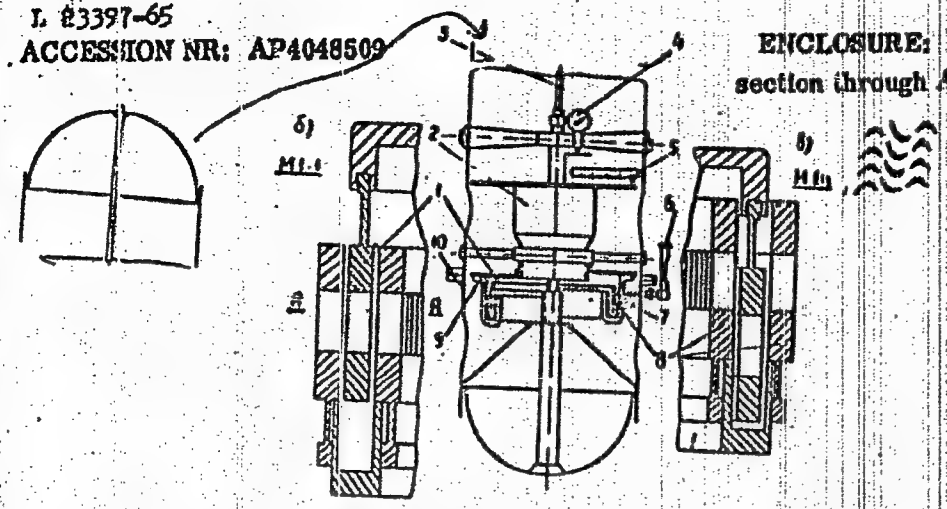

Fig. 1. Diagram of the installation: 1 - working rim, 2 - electric motor, 3 - torsion shaft, 4 - tachometer, 5 - scale and indicator, 6 - thermometer, 7 - bracket, 8 - guide rims, 9 - supporting disk, 10 - reservoir

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S/285/63/000/002/009/012
A052/A126

AUTHOR: Galitskiy, N.P.

TITLE: Investigation of friction and ventilation losses in the radial turbine rim

PERIODICAL: Referativnyy zhurnal. Otdel'nyy vypusk. 49. Turbostroyeniye, no. 2, 1963, 15 - 16, abstract 2.49.90 (Tr. Leningr. korablestroit. in-ta, no. 33, 1961, 57 - 63)

TEXT: Methods and results are described of an experimental investigation of power losses due to friction and of ventilation losses in the radial turbine rim. The investigation was carried out on a radial rim having a mean diameter of 350 mm and 85 blades 55 mm long, 20 mm wide with geometric angles of 24 and 26°. The active length of the blades was varied in the course of the experiment from 0 to the full length l = 55 mm. It has been established that friction and ventilation losses in a radial blade rim are directly proportional to the length of the active part of blades and to the cube of circumferential speed; at a no-load rotation the ventilation losses exceed the friction losses by a factor of 7 - 8.
[Abstracter's note: Complete translation.]

B. Dorogov

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GALITSKIY, N.V.

Heat balance of electric shaft furnaces. Titan i ego splavy no.5:254-266 '61. (MIRA 15:2)
(Electric furnaces)
(Heat--Transmission)

SERGEYEV, Viktor Vasil'yevich; GALITSKIY, Nikolay Vladimirovich; KISELEV, Vasiliy Pavlovich. Prinimal uchastiye KOZLOV, V.M.; GUS'KOV, V.M., red.

[Metallurgy of titanium] Metallurgiia titana. Moskva, Izd-vo Metallurgiia, 1964. 207 p. (MIRA 17:7)

GALITSKIY, N.V.; PROKHOROV, S.T.

Electron microscope study of solid chlorides from the dust chambers of titanium processing plants. Koll.zhur. 26 no.2:163-164 Mr-Ap '64. (MIRA 17:4)

1. Vsesoyuznyy alyuminiyevo-magniyevyy institut, Leningrad.

GALITSKIY, N.V.; GUS'KOV, V.M. [deceased]

Studying the pressure of chromium trichloride vapor. Izv. vys. ucheb. zav.; tsvet. met. 8 no.4:75-77 '65. (MIRA 18:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut alyuminiyevoy, magniyevoy i elektrodnoy promyshlennosti.

GALITSKIY, N.V.

Maximum temperature of the chlorination process in an electric stack furnace. Titan i ego splavy no.8:101-113 '62. (MIRA 16:1)
(Chlorination) (Enthalpy)

GALITSKIY, N.V.; SHADSKIY, S.V.

Content of dissolved chlorides in condensed titanium tetrachloride. Titan i ego splavy no.8:140-144 '62. (MIRA 16:1)
(Titanium chloride--Analysis)

NOVIKOV, G.I.; GALITSKIY, N.V.

Thermal stability of the higher chlorides of chromium and molybdenum. Zhur. neorg. khim. 10 no.3:576-582 Mr '65.
(MIRA 18:7)

L 13534-66 EWT(m)/EPF(n)-2/EWP(t)/EWP(b) IJP(c) JD/WW/JW/JG

ACC NR: AP5028977 SOURCE CODE: UR/0149/65/000/004/0075/0077

AUTHOR: Galitskiy, N. V.; Gus'kov, V. M. (Deceased)

ORG: All-Union Scientific Research and Design Institute of the Aluminum, Magnesium and Electrode Industry (Vsesoyuznyy nauchno-issledovatel'skiy i proyektnyy institut Alyuminevoy, magniyevoy i elektrodnoy promyshlennosti)

TITLE: Study of the vapor pressure of chromic trichloride

SOURCE: IVUZ. Tsvetnaya metallurgiya, no. 4, 1965, 75-77

TOPIC TAGS: chromium compound, chlorine compound, vapor pressure, heat of sublimation

ABSTRACT: Döerner (U.S. Bureau of Mines, Techn. Papers, no. 577, 1937) had established that $CrCl_3$ in a chlorine atmosphere forms $CrCl_4$ stable above 700°C and decomposing at conventional temperature. Recent studies (S.A. Shchukarev, M. A. Oranskaya. Zh. organ. khimii, 24, v. 12, 2109 (1954)), however, do not completely tally with Döerner's findings. Particularly unusual is the close similarity of the heats of sublimation of $CrCl_3$ and $CrCl_2$. In this connection, the present authors investigated by the static method the pressure of saturated and unsaturated vapors of $CrCl_3$ in a soldered ampoule with a quartz-diaphragm manometer, over the 873-1303°K range. Findings: below 1065°K the curve of saturated vapor pressure changes from a straight to a slanted line; the inflection point of the curve closely coincides with the melting point of $CrCl_2$. At temperatures exceeding the dew point by 150-160° the pressure in the vessel

Card 1/2 UDC: 669.26

ACC NR: AP5028977

deviates in the plus direction from that calculated according to the law of ideal gases. This fact, together with the bending of the curve of saturated vapor pressure, indicates that disproportionation of $CrCl_3$, namely:

$$2\,[CrCl_3]_r \rightleftarrows (CrCl_4)_r + [CrCl_2]_w$$

takes place in the saturated vapor region, whereas the converse process of conproportionation takes place in the unsaturated vapor region. Orig. art. has: 3 formulas

SUB CODE: 07, 11/ SUBM DATE: 12Feb64/ ORIG REF: 002/ OTH REF: 006

Card 2/2

GALITSKIY, R., kand.tekhn.nauk

Pamphlet on the development of the network of grain elevators in the U.S.S.R. in 40 years ("Grain elevators in the U.S.S.R., 1917-1957" by A.V.Borodin. Reviewed by R.Galitskii). Muk.-elev.prom. 24 no.3:3 of cover Mr '58. (MIRA 12:9)

1. Novocherkasskiy elevatornyy tekhnikum.
(Grain elevators) (Borodin, A.V.)

GALITSKIY, R., kand.tekhn.nauk

Calculating the milling batch of grain made up from an unlimited number of components. Muk.-elev. prom. 29 no.3:22-23 Mr '63. (MIRA 16:9)

1. Novocherkasskiy mekhaniko-tekhnologicheskiy tekhnikum.

GALITSKIY, S.A.

Immediate effects of vacuum extraction on the mother and infant. Akush. i gin. no.1:82-86 '65. (MIRA 18:10)

1. Krasnoluchskiy rodil'nyy dom Luganskoy oblasti (glavnyy vrach S.A. Galitskiy).

GALITSKIY V.

KRUGLOV, I., kand.tekhn.nauk; GALITSKIY, V., inzh.; ZORACHEV, N., tekhnik.

Automatic equipment for the field testing of soils.
Gor. i sel'.stroi. no.5:18-20 My '57. (MIRA 10:10)
(Soil mechanics)

GALITSKIY, V.

Construction workers and automotive transportation workers work in close cooperation. Avt. transp. 42 no.9:5-6 S '64. (MIRA 17:11)

1. Nachal'nik domostroitel'nogo kombinata No.1 Glavnogo upravleniya po stroitel'stvu mostov.

GALITSKIY, V.; MIKHAYLOV, V.

Stability specifications of a specialized vessel carrying grain.
Mor. flot 25 no.7:23-25 Jl '65. (MIRA 18:7)

1. Nachal'nik otdela TSentral'nogo proyektno-konstruktorskogo byuro No.1 Ministerstva morskogo flota SSSR (for Galitskiy). 2. Rukovoditel' gruppy TSentral'nogo proyektno-konstruktorskogo byuro No.1 Ministerstva morskogo flota SSSR (for Mikhaylov).

GALITSKIY, V.A., inzh.

Dry cargo freighter "Abruka." Sudostroenie 28 no.6:1-4 Je '62. (MIRA 15:6)

(Freighters)

BOGOYAVLENSKIY, G.P.; DUNAYEV, V.N.; NEDOSEKIN, D.V., Prinimaliuchastiye: GALITSKIY, V.A., GRIN, M.F., kand.ekonom.nauk, nauchnyy red.; ZABELIN, I.M., kand.geograf.nauk, nauchnyy red.; SAMSONENKO, L.V., nauchnyy red.; FRAIKIN, N.G., kand.geograf.nauk, nauchnyy red.; MAL'CHEVSKIY, G.N., red.kart; GLEYKH, D.A., tekhn.red.

[The earth and its people; a geographical calendar for 1959] Zemlia i liudi; geograficheskii kalendar', 1959. Moskva, Geografgiz, 1958. 390 p. (MIRA 12:3)
(Geography)

BOGOYAVLENSKIY, G.P.; DUNAYEV, V.N.; NEDOSEKIN, D.V.; DANILOVA, N.A., avtor kart; KEMMERIKH, A.O., avtor kart. Prinimal uchastiye GALITSKIY, V.A.. GRIN, M.F., kand.ekonom.nauk, nauchnyy red.; ZABELIN, I.M., kand.geograf.nauk, nauchnyy red.; SAMSONENKO, L.V., nauchnyy red.; FRAIKIN, N.G., kand.geograf.nauk, nauchnyy red.; MAL'CHEVSKIY, G.N., red.kart; BELICHENKO, R.K., mladshiy red.; GLEYKH, D.A., tekhn.red.

[The earth and the people; geographical calendar for 1960] Zemlia i liudi; geograficheskii kalendar' 1960. Moskva, Geografgiz, 1959. 381 p.[___ Seasonal phenomena in U.S.S.R.nature]___Sezonnye iavleniia v prirode SSSR. Sost.N.A.Danilova, A.O.Kemmerikh. 12 maps. (MIRA 13:3)

(Geography--Dictionaries) (Calendars)

BOGOYAVLENSKIY, G.P.; TIKHOMIROV, V.N.; Prinimali uchastiye: SHISHKIN, I.B.; MAL'CHEVSKIY, G.N.; GALITSKIY, V.A.; BELEN'KIY, A.B., kand. ist. nauk, nauchnyy red.; GRIN, M.F., kand. ekon. nauk, nauchnyy red.; ZABELIN, I.M., kand. geogr. nauk; SAMSONENKO, L.V., nauchnyy red. FRADKIN, N.G., kand. geogr. nauk, nauchnyy red.; BELICHENKO, R.K., mladshiy red.; VILENSKAYA, E.N., tekhn. red.

[The land and people; geographical calendar for 1963]Zemlia i liudi; geograficheskii kalendar' 1963. Moskva, Geografgiz, 1962. 303 p. (MIRA 16:2)

(Geography--Yearbooks)

BOGOYAVLENSKIY, G.P.; SHISHKIN, I.B.; Prinimal uchastiye GALITSKIY, V.A.; MAL'CHEVSKIY, G.N., red.-sostavitel' kart; ZELEN'KIY, A.B., kand. ist. nauk, nauchn. red.; GRIN, M.F., kand. ekon. nauk, nauchn. red.; ZABELIN, I.M., kand.geogr. nauk, nauchn. red.; SAMSONENKO, L.V., nauchn. red.; FRADKIN, N.G., kand. geogr. nauk, nauchn. red.; BELICHENKO, R.K., mlad. red.; KIR'YANOVA, Z.V., mlad. red.; VILENSKAYA, E.N., tekhn. red.

[Land and people; geographical calendar for 1964] Zemlia i liudi; geograficheskii kalendar' 1964. Moskva, Gos.izd-vo geogr. lit-ry, 1963. 302 p. (MIRA 17:2)

BOGOYAVLENSKIY, G.P.; SHSHKIN, I.B.; GALITSKIY, V.A.; BELEN'KIY, A.B., kand.ist. nauk, nauchn. red.; GRIN, M.F., kand. ekon. nauk, nauchn. red.; ZABELIN, I.M., kand. geogr. nauk, nauchn. red.; LAPPO, G.M., kand. geogr. nauk, nauchn. red.; SAMSONENKO, L.V., red.; FRADKIN, N.G., kand. geogr. nauk, nauchn. red.; KIR'YANOVA, Z.V., mlad. red.

[The land and the people; Geographical calendar for 1965] Zemlia i liudi; Geograficheskii kalendar' 1965. Moskva, Mysl', 1964. 303 p. (MIRA 18:1)

GALITSKIY, V.G.

Electric diameter meter for use in holes. Gor. zhur., fund. i mekh. grun. 3 no.5:27 '61. (MIRA 14:11)

(Measuring instruments)
(Boring)

GALITSKIY, V.G., inzhener.

Permissable limit of incline for tracks under travelling cranes (from operational experience). Stroi.prom. 34 no.4:36-38 Ap '56. (MLRA 9:8)

(Cranes, derricks, etc.)

KRUGLOV, I.N.; ZOBACHEV, N.M.; GALITSKIY, V.G.; ROZENTAL', A.I.

Automated united used for testing soils by means of test loads.
[Trudy] NIIOSP no.33:84-99 '58. (MIRA 11:9)
(Testing machines) (Soil mechanics)

GALITSKIY, V.A., inzh.

Large capacity diesel tankers and their technical and economic indices. Sudostroenie 29 no.3:11-15 Mr '63. (MIRA 16:4)
(Tank vessels—Cost of operation)

ABELEV, Yu.M., prof.; SVETINSKIY, Ye.V., kand.tekhn.nauk; GALITSKIY, V.G., inzh.; MUNITS, A.P., red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Instructions for the deep stabilization of macroporous sagging (loess) soils using soil piles in constructing foundations of buildings and structures] Instruktsiia po glubinnomu uplotneniiu makroporistykh prosadochnykh (lessovykh) gruntov gruntovymi svaiami v osnovanii zdanii i sooruzhenii (SN 33-58). Moskva, Gos.izd-vo lit-ry po stroit., arkhit. i stroit.materialam, 1959. 35 p. (MIRA 13:7)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroitel'stva.
(Foundations) (Soil stabilization)

GALITSKIY, V.G.

Special problems in constructing foundations on loess soils with karst holes. Osn.fund.i mekh.grun. 2 no.2:12-14 '60.
(MIRA 13:8)

(Foundations) (Loess)

GALITSKIY, V.G.

Thickness of the buffer (loosened) layer during deep soil compaction by explosion. Osn., fund. i mekh. grun. 3 no.3:14-16 '61. (MIRA 14:7)

(Soil stabilization)
(Blasting)

GALITSKIY, V.G.

Study of the method of subsurface compaction of settling soil. [Trudy] NIIOSP no.46:43-53 '61. (MIRA 15:2)
(Soil stabilization)

GALITSKIY, V.G.

Settlement of structures on settling soils compacted below the surface. [Trudy] NIIOSP no.46:54-72 '61. (MIRA 15:2)
(Soil stabilization)(Foundations)

GALITSKIY, V.G.

Study of soil density in the body of earth piles made with an experimental model of a new machine. Osn., fund.i mekh.grun. 4 no.1:18-19 '62. (MIRA 16:2)
(Piling (Civil engineering)) (Soil stabilization)

GALITSKIY, V.G.

Deep compaction of settling soils by explosion. [Trudy]NII osn. no.53: 105-115 '63. (MIRA 17:1)

BRAYT, P.I.; GALITSKIY, V.G.; NOVIKOV, Yu.I.

Two-way niveling plummet for measuring the displacement and settling of structures. Osn. fund. i mekh. grun. 5 no.3: 23-25 '63. (MIRA 17:1)

GALITSKIY, V.I.

Geomorphology of the Grun' River basin. Uch.zap. Kursk.gos.ped. inst. no.4:275-290 '57. (MIRA 12:4)

1. Iz kafedry geografii Kurskogo gosudarstvennogo pedagogicheskogo instituta.

(Grun' Valley--Physical geography)

GALITSKIY, V.I.

Ancient buried relief forms at the northeastern slope of the Dnieper-Donets Lowland. Vest. Mosk. un. Ser. 5: Geog. 17 no.6:79-80 N-D '62. (MIRA 16:1)

(Dnieper-Donets Lowland--Erosion)

TRET'YAKOV, N.N., kand.sel'skokhoz. nauk; GALITSKIY, V.I.

Varietal differences in the development of the root system of corn. Agrobiologia no.4:558-564 Jl-Ag 63. (MIRA 16:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov, Moskovskaya oblast'.
(Corn(Maize)--Varieties)
(Roots (Botany))

TRET'YAKOV, N.N., kand.sel'skokhozyaystvennykh nauk; GALITSKIY, V.I.

Soil density and plant root system. Zemledelie 25 no.4:56-63 Ap '63. (MIRA 16:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut kormov.
(Soils—Density) (Roots (Botany)) (Corn (Maize))

L 5336-66 EWT(1)

ACCESSION NR: AP5021132 UR/0056/65/049/002/0661/0671

AUTHOR: Bayyer, V. N.; Galitskiy, V. M.

TITLE: Emission of two photons in electron collisions

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 2, 1965, 661-671

TOPIC TAGS: bremsstrahlung, particle collision, photon emission

ABSTRACT: This is a continuation of earlier work by the authors (Phys. Lett. v. 13, 355, 1964), in which the cross section for emission of classical quanta was calculated. In the present paper the authors calculate the cross section for double bremsstrahlung in the center-of-mass system of the colliding particles, under the assumption that one of the photons is soft but the other can have arbitrary energy. The electron energy is assumed quite high, so that expansion in powers of the electron emission angle is possible. The principal terms of the expansions are calculated and the correction terms are estimated. The resultant expressions are useful for the calculation of various processes involving photons. By way of an example, the authors calculate to logarithmic accuracy the single-bremsstrahlung cross section for electron-electron or electron-positron collisions. Orig. art. has: 4 figures and 57 formulas.

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L 5336-66

ACCESSION NR: AP5021132

ASSOCIATION: Novosibirskiy gosudarstvennyy universitet (Novosibirsk State University) 44,55

SUBMITTED: 11Mar65 ENCL: 00 SUB CODE: NP

NR REF SOV: 000 OTHER: 002

Card 2/2

GALITSKIY, V. M., LANDAU, L. D. and MIGDAL, A. B.

"The Disintegration of the Deuteron by the Coulomb Field of the Nucleus" a paper presented at the International Conference on Nuclear Reactions, Amsterdam, 2-7 July 1956.

D551274